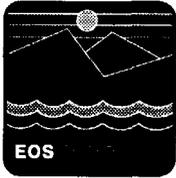


# MODIS Emergency Backup System

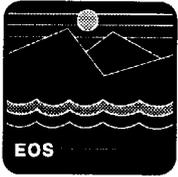
Ed Masuoka  
June 24, 1998



# Overview



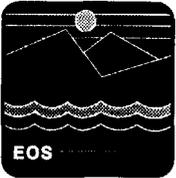
- **Development by MODIS Science Data Support Team**
  - Receive L0 data from LZAARDS
  - Process to L1A and archive
  - Generate all at-launch products in sufficient quantities to enable MODIS Science team's testing, debugging and validation of science algorithms (Coverage Goal: 100% of Level 1 and 25% of L2 and above)
  - Support browsing and ordering
  - Distribute data to MODIS science team members and other authorized users
  - Provide sample products to DAACs (EDC, GSFC, NSIDC) for broader distribution



# Performance Estimates



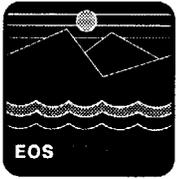
- Volumes and Loads - 100% of L1 products, Cloud Mask + Atmospheric profiles and 25% higher level products
  - Level 1 and Cloud Mask
    - Volume 299GB
    - Load 848 MFLOPS (in 24 hours)
    - Load 1,272 MFLOPS (in 16 hours) or 13 R10K
  - 25% of Level 2 and Higher products
    - Land 556 MFLOPS (6 R10K)
    - Oceans 695 MFLOPS (7 R10K)
    - Atmosphere 495 MFLOPS (5 R10K)
    - Total 31 R10K processors



# Milestones



<b>Activity</b>	<b>Date</b>	<b>Comments</b>
Scheduler	3/9/97	Completed
WWW Interface	5/8/97	Completed
Data Management	8/15/97	Completed
Hour-in-the-Life	9/15/97	Completed
Level 0 Anc I/F Test	10/15/97	Completed
Archive Management	10/29/97	Completed
Day-in-the-Life	12/01/97	Completed
V1 Week-in-the-Life	1/20/98	Completed
V2 Day-in-the-Life	6/21/98	Ongoing
V2 Week-in-the-Life	9/01/98	Hold for PGEs



# Product Ordering



- Science Product ordering
  - Select MEBDOS site with web browser
  - Register name and contact information
  - Select a product type, time, and space bounds
  - See available data files
  - Repeat with other products or selections
  - Order files on tape or via FTP
- MEBS URL:  
<http://modisdms.nascom.nasa.gov>

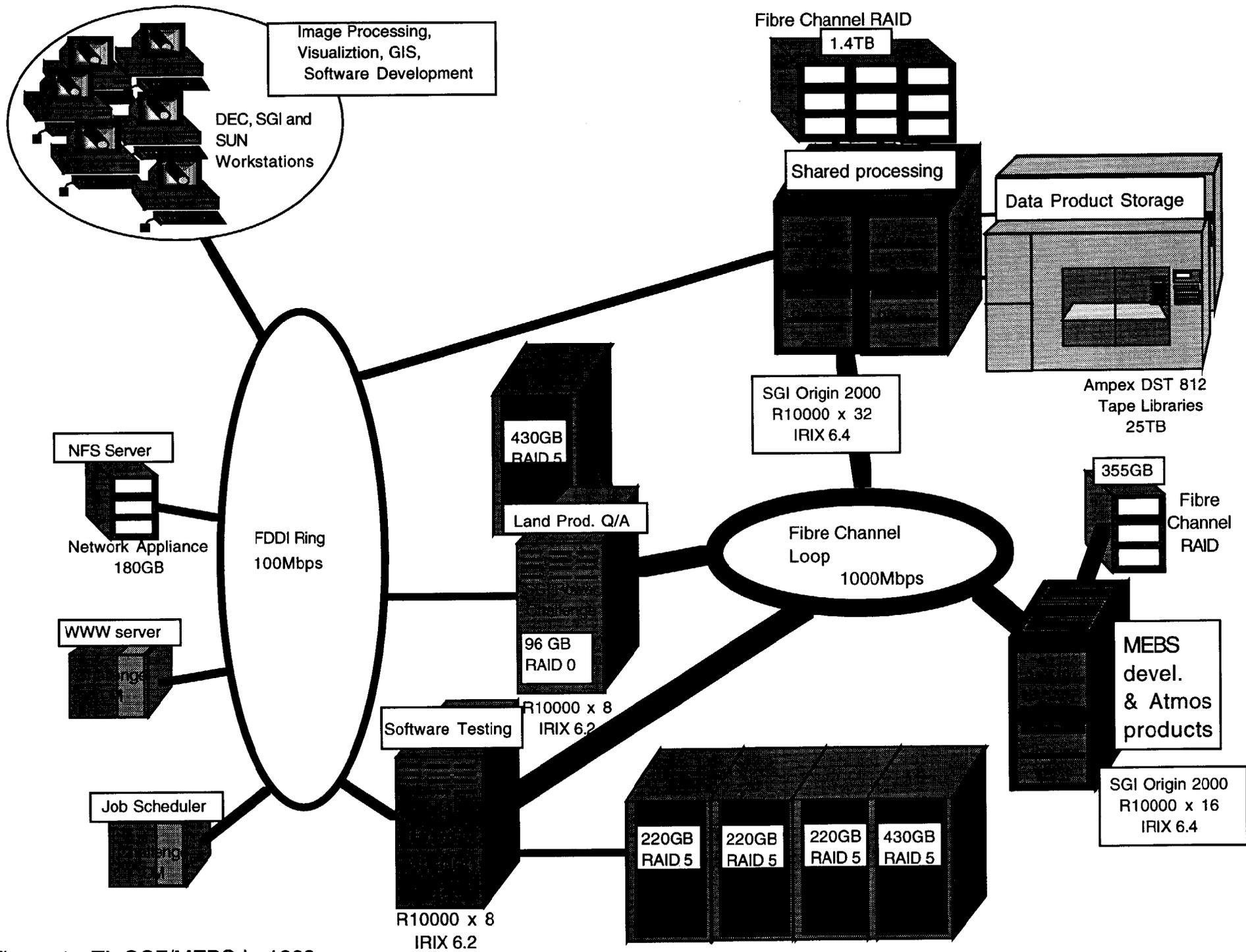


Figure 1. TL-SCF/MEBS in 1998

DILT-V2  
(2 Orbits 970805)

Mon (6/22)	ANC & Ingest Loader -MD1 (PGE02 & PGE03)
Tue (6/23)	Report on PGE02 & PGE03 test Loader -MDL1 (PGE07 & PGE08) Loader -MDA1 (PGE04) Loader -MDL3 (PGE05 & PGE11) Loader -MDO1.1 (PGE09) Loader -MDO1.2 (PGE09 & PGE10)
Wed (6/24)	Report on Tuesdays' test Loader -MDL5 (PGE12)
Thu (6/25)	Report on Wednesdays' test
Fri (6/26)	Done Nick R. will review status